Testudines

% EGG SURVIVAL - What percent of eggs survive to adulthood?

Species	Common Name	% Egg Survival
Cheloniidae	sea turtles	
Caretta c. caretta	Atlantic loggerhead	estimated survivorship rate for a loggerhead from egg through adulthood is only 0.09-0.18% at Little Cumberland Island, Georgia (Frazer 1986)
Chelonia m. mydas	Atlantic green turtle	hatchling success may vary from zero to over 90% in natural, undisturbed nests, but may average lower in clutches removed and reburied elsewhere or artificially incubated (Ernst et al. 1994)
Eretmochelys i. imbricata	Atlantic hawksbill	hatching success may be 0-100% for an individual nest and 47-97% for an entire season at a particular beach (Witzell 1983)
Lepidochelys kempii	Kemp's ridley or Atlantic ridley	Unk
Dermochelyidae	leatherback sea turtles	
Dermochelys c. coriacea	Atlantic leatherback	Iverson (1991) estimated the annual natural survivorship from egg to hatchling to be only 63%, and the National Research Council (1990) listed the mean emergence success as varying from 25 to 71% at different beaches (Ernst et al. 1994)
Chelydridae	snapping turtles	
Chelydra s. serpentina	eastern snapping turtle	mean egg to hatchling survivorship varies from 12 to 22% per year (Hammer 1969; Congdon et al. 1987): at some sites. 100% of the
Emydidae	pond turtles	
Chrysemys p. picta	eastern painted turtle	< 25% (Gibbons 1968b)
Chrysemys p. marginata	midland painted turtle	< 25% (Gibbons 1968b)
Clemmys guttata	spotted turtle	prehatching mortality is about 32% (Ernst et al. 1994)
Clemmys insculpta	wood turtle	in laboratory setting, 74% of incubated eggs survived to hatching (Farrell and Graham 1991)
Clemmys muhlenbergii	bog turtle	Unk
Deirochelys r. reticularia	eastern chicken turtle	Unk

Emydoidea blandingii	Blanding's turtle	the annualized survivorship of eggs and hatchlings in a Michigan population is only 18% (Congdon et al. 1983; Iverson 1991)
Graptemys geographica	northern map turtle	Unk
Graptemys ouachitensis	Ouachita map turtle	Unk
Malaclemys terrapin terrapin	northern diamond-backed terrapin	23% (Iverson 1991)
Pseudemys c. concinna	eastern river cooter	From 3 groups of eggs, 47.0% - 91.3%: lab setting (Jackson and Jackson 1968)
Pseudemys c. floridana	coastal plain cooter	Unk
Pseudemys rubriventris	northern red-bellied cooter	Unk
Terrapene c. carolina	eastern box turtle	0-78%(Dodge et al 1978)
Trachemys s. scripta	yellow-bellied slider	Unk
Trachemys s. elegans	red-eared slider	Unk
Trachemys s. troosti	cumberland slider	Unk
Kinosternidae	mud and musk turtles	
Kinosternon s. subrubrum	eastern mud turtle	survival from oviposition until the hatchling enters the water is 26.1% (Ernst et al. 1994)
Kinosternon baurii	striped mud turtle	Ùnk
Sternotherus minor peltifer	stripeneck musk turtle	Unk
Sternotherus odoratus	stinkpot or common musk turtle	total hatchling success of 104 Pennsylvania eggs laid was only 15.4% (Ernst 1986a)
Trionychidae	softshell turtles	
Apalone m. mutica	midland smooth softshell	Survivorship of eggs, owing to submergence, predation, and other hazards, varies from year to year and at times may be very low. In 1973 only 2%hatched, whereas 49%hatched the next year (Plummer 1976)
Apalone s. spinifera	eastern spiny softshell	Unk

% Egg Survival Codes: State as < 25%, 26-75%, or > 75%, Unk = unknown

Note: Survival rates can vary dramatically depending on local conditions, many of the above figures are results of one or a few studies.